

METHOD AND APPARATUS FOR PERFORMING BLOCK CACHING IN A NON-VOLATILE MEMORY SYSTEM

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ABSTRACT

Methods and apparatus for caching updates or new data associated with a logical block are disclosed. According to one aspect of the present invention, a method for processing contents associated with blocks of a non-volatile memory includes obtaining a first set of contents that is associated with a first group of logical pages associated with a first logical block, and writing the first set of contents into a memory area. The first set of contents is then written from the memory area into a first group of physical pages associated with a second physical block that is then mapped to the first logical block. In one embodiment, the memory area is one of a RAM cache and a physical block cache.

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